infiNET Wall Box Switch **CLW-SW1RF**

The CLW-SW1RF is a 1000 watt wall mount switch designed to operate as part of a complete Crestron automation system communicating via the infiNET wireless control network. Without the need for additional control wiring, the CLW-SW1RF easily replaces any standard in-wall light switch. Although functional as a standalone switch, the CLW-SW1RF delivers enhanced automation and control capability when connected to Crestron's PAC2 or PAC2M automation control system (or any other 2-Series control system) via the infiNET network.

infiNET™—Crestron's groundbreaking infiNET wireless technology affords reliable 2-way communications throughout a home or office structure without the need for physical control wiring. Numerous infiNET switches, dimmers, and other devices can be linked to the control system via a single RF gateway. Employing a 2.4 GHz mesh network topology, every infiNET device functions as an RF repeater, increasing effective range and reinforcing the complete network by providing multiple redundant signal paths within the mesh network.

Intuitive Lighting Control—The single large rocker button provides simple on/off operation to control a range of lighting or fan loads. An adjustable turn-off delay allows the user time to exit the room before the lights shut off.

A slide switch is also provided to select between RUN, SET, and OFF modes. RUN is the normal operating mode as described above. SET mode is used for setting the delay time, while switching to the OFF mode completely disables the light switch and disconnects all power to the load to facilitate changing bulbs. The status LED serves a dual purpose, providing helpful status confirmation during operation and setup, and glowing dimly when idle to make the switch easy to locate in the dark.

Automation System Integration—Its connection to a control system allows the functions of the CLW-SW1RF to be controlled from touchpanels, keypads, wireless remotes, and computers to support unlimited flexibility for remote control and integration with other devices and systems. However, in the event that communication with the control system is disrupted for any reason, the CLW-SW1RF will remain operable to control the lighting circuit.

Easy Installation—System design, installation, and upgrade using infiNET switches could not be easier. Since there's no control wire required, the CLW-SW1RF can be installed just like any conventional light switch. Multiple units may be ganged side-by-side along with other switches, dimmers, and non-Crestron devices. (Note: Ganging the CLW-SW1RF typically requires the removal of the side heat sink fin on one or both sides of the unit resulting in a derating of its load capacity; see specifications below.)

Setting up a complete network of infiNET devices is simple, utilizing dynamic discovery (self-install) to locate and acquire each RF device automatically. Setting the RF ID of each device employs the same convention as Crestron's familiar TSID method, and each device is programmable using Crestron SIMPL™Windows®, SystemBuilder™ or D3Pro™ software just like any wired Cresnet device. Even firmware updates are performed over the wireless network.

No further action is required to configure the infiNET network. Each device assigned to a common gateway automatically behaves as a repeater for any other devices within range (approximately 150 feet indoors), and additional repeaters may be added if necessary. At all times, the infiNET gateway monitors each device on the network, ignoring any other 2.4 GHz signals, and reconfiguring the entire network automatically in response to new sources of interference and other changes in RF conditions.

Color Options—infiNET Dimmers and Switches are available in white, black, or almond, with or without custom button engraving*. Complete installation requires a Decora® style faceplate (not included).

- Decorative Wall Mount Switch
- Crestron System Integration via infiNET Wireless Network
- On/Off Control of Incandescent, Fluorescent, Neon, Cold Cathode, Magnetic or Electronic Low-Voltage, HID, and Fan Loads
- Intuitive Rocker Switch Operation
- Adjustable Turn-off Time Delay
- 4-Button and Dimmer Versions Also Available

> continued

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CLW-SW1RF infiNET Wall Box Switch (continued)

AVAILABLE MODELS

CLW-SW1RFA
infiNET Wall Box Switch, Single-Button, Almond*

CLW-SW1RFB
infiNET Wall Box Switch, Single-Button, Black*

CLW-SW1RFW
infiNET Wall Box Switch, Single-Button, White*

SPECIFICATIONS

Load Ratings

Incandescent/Tungsten Halogen or Electronic Low Voltage:
1000 Watts
700 Watts, one side fin removed
550 Watts, both side fins removed

Magnetic Low Voltage or Neon/Cold Cathode:
1000VA/750 Watts
700VA/500 Watts, one side fin removed
550VA/400 Watts, both side fins removed

Fluorescent/High Intensity Discharge (HID):
8 Amps
5.5 Amps, one side fin removed
4.5 Amps, both side fins removed

Ceiling Fan: 3 Amps

Minimum Load: 40 Watts, 0.5 Amps

Power Requirements

120 Volts AC, 60Hz, line power, neutral required

Controls

Button: 2-position rocker pushbutton*
For on/off switch control and delay adjustment

Mode Switch: 3-position slide switch
Selects RUN, SET, or OFF mode

LED Indicator

(1) Amber LED, flashes in various patterns to warn when in SET mode, while counting down to turn-off, to confirm a new delay time setting, and to indicate setup and communication status; normally glows dim in RUN mode to provide a locating beacon in the dark

Wireless

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant
RF Output Power: 10 mW
Range (typical): 150 feet indoor, 250 feet outdoor
Subject to site-specific conditions; range is increased by adding additional devices or C2N-MNETRPT repeater; C2N-MNETGW gateway/transceiver required

Connections

Hot: (1) 14 AWG Class 1 flying lead, black, line power input

Load: (1) 14 AWG Class 1 flying lead, red, load output

Neutral: (1) 18 AWG Class 1 flying lead, white, neutral

Ground: (1) 16 AWG Class 1 flying lead, green, ground

Environmental

Temperature: 32° to 104°F (0° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

1-gang mountable in a 3-1/2 inch deep electrical box
Requires Decora® faceplate (not included)

Dimensions

Height: 4.13 in (10.48 cm)
Width: 2.38 in (6.03 cm)
Depth: 1.88 in (4.77 cm)

Weight

4.4 oz (0.61 kg)

**Custom engraving MUST be specified at time of order. Buttons are not field-replaceable, thus engraving is NOT available for previously-shipped product.*

AVAILABLE ACCESSORIES

- **C2N-MNETGW**
  infiNET Gateway/Transceiver
- **C2N-MNETRPT**
  infiNET Repeater

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